Apple II
Technical Notes

Developer Technical Support

Apple IIGS
#107: Tool Locator Tribulations

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This Technical Note tells you what to watch out for in the Tool Locator.

ShutDownTools and System 6.0

In System 6.0, `ShutDownTools` inappropriately calls `HideCursor` even if QuickDraw II is not started. The results are unpredictable.

If your application does **not** use QuickDraw II but does use `ShutDownTools`, you may need to start up and shut down your tools manually instead.

Note that the `HideCursor` problem does not occur in the (unusual) case that the System 6.0 `noResourceMgr` bit (value $0010) is set.

Contents of the `StartUpTools` Tool Table

You should not include the Tool Locator or Memory Manager in your tool table. Instead, call `TLStartUp` and `MMStartUp` before calling `StartUpTools`, and call `MMShutDown` and `TLShutDown` after `ShutDownTools`.

Since `StartUpTools` automatically starts the Resource Manager for you, you should not include Resource Manager in the tool table, either. Doing so has no ill effect in System Software 6.0 and later, but in System Software 5.0 through 5.0.4 you got duplicate `ResourceStartUp` and `ResourceShutDown` calls.

The order of the tool table entries does not matter. (Toolbox Reference 3, page 51-8, says "Although `StartUpTools` handles the order of tool startup for you...", but this is widely overlooked.)

Further Reference
- *Apple IIGS Toolbox Reference*, Volume 3